

AB Luminescence spectra of coumarin, tryptaflavin, and aminomethylphthalimide introduced (as solns.) into the channels of the chrysolite-asbestos matrix were shifted into lower frequency region (with respect to the spectra in solns.), and their vibrational structure was not longer observed These changes as well as anisotropy of the **fluorescence** characteristics, were due to the strong interactions of the matrix and the dye mols., leading also to an orientational **ordering** of the dye mols. along the matrix **channels**.

ST dye orientation asbestos chrysolite matrix; **fluorescence dye ordering channel** matrix

IT Dyes  
(**fluorescence** and orientational **order** of mols. of, in ultrathin-**channel** matrix)

IT Asbestos  
RL: PRP (Properties)  
(chrysotile, **fluorescence** and orientational **order** of dye mols. in **channel** of matrix of)

IT 91-44-1, Coumarin-47 2257-85-4, 3-Amino-N-methylphthalimide 41044-12-6, Coumarin-30 65431-33-6, Tryptaflavin  
RL: PRP (Properties)  
(**fluorescence** and orientational **order** of, in ultrathin-**channel** matrix)

L11 ANSWER 48 OF 49 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1994:121376 BIOSIS  
DOCUMENT NUMBER: PREV199497134376  
TITLE: From the double-helix to novel approaches to the sequencing of large genomes.  
AUTHOR(S): Szybalski, Wacław  
CORPORATE SOURCE: McArdle Lab. Cancer Research, Univ. Wisconsin, Madison, WI 53706, USA  
SOURCE: Gene (Amsterdam), (1993) Vol. 135, No. 1-2, pp. 279-290.  
CODEN: GENED6. ISSN: 0378-1119.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 24 Mar 1994  
Last Updated on STN: 24 Mar 1994  
SO Gene (Amsterdam), (1993) Vol. 135, No. 1-2, pp. 279-290.  
CODEN: GENED6. ISSN: 0378-1119.  
AB. . . DNA or denatured double-stranded approx. 50-kb fragments, as exemplified by phage lambda DNA. When automated and used in conjunction with **fluorescent** dyes and ultrathin gels, the method should permit the **sequencing** of 500 nucleotides (nt) per 30 min, i.e., 1 kb/h and 100 kb in less than a week per one **sequencing channel**. Automation has to include direct gel readout of over 500 nt, analysis of the terminal 50 nt, computerized selection and. . .

=> d hist full

(FILE 'HOME' ENTERED AT 14:56:17 ON 29 DEC 2005)

FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 14:56:37 ON 29 DEC 2005

L1 1212 SEA ABB=ON PLU=ON (FRET OR QUENCH? OR FLUOROPHORE?) (S) (CHANNEL OR NANOCHANNEL OR MICROCHANNEL OR NANO? OR MICRO?) (S) (DNA OR PROTEIN OR POLYMER)

L2 914 SEA ABB=ON PLU=ON (FRET OR QUENCH? OR FLUOROPHORE?) (15A) (CHANNEL OR NANOCHANNEL OR MICROCHANNEL OR NANO? OR MICRO?) (15A) (DNA OR PROTEIN OR POLYMER)

L3 323 SEA ABB=ON PLU=ON L1 AND PY<=1997

L4 208 SEA ABB=ON PLU=ON L2 AND PY<=1997

L5 38 SEA ABB=ON PLU=ON L3 AND (SEQUEN? OR MONOMER?)

L6 26 SEA ABB=ON PLU=ON L4 AND (SEQUEN? OR MONOMER?)

L7 29 DUP REM L5 (9 DUPLICATES REMOVED)  
 L8 18 DUP REM L6 (8 DUPLICATES REMOVED)  
     D L7 TI 1-15  
     D L7 TI 16-29  
     D L8 TI 1-10  
     D L8 TI 11-18  
     D L7 IBIB KWIC 3,4,9  
     D L7 IBIB KWIC 15,18  
     D L7 IBIB KWIC 22,26-28  
     D L8 IBIB KWIC 3,14  
 L9 198 SEA ABB=ON PLU=ON (CHANNEL OR NANOCHANNEL OR MICROCHANNEL) (S)  
     (FLUOR?) (S) (SEQUENC? OR ORDER? OR POLYNUCL? OR POLYPEPTIDE?)  
 L10 146 DUP REM L9 (52 DUPLICATES REMOVED)  
 L11 49 SEA ABB=ON PLU=ON L10 AND PY<=1997  
     D L11 TI 1-20  
     D L11 TI 21-41  
     D L11 TI 42-49  
     D L11 IBIB KWIC 1,2,4,5  
     D L11 IBIB KWIC 12,16,18,19  
     D L11 IBIB KWIC 23,24  
     D L11 IBIB KWIC 30,31,48

FILE HOME

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 29 Dec 2005 VOL 144 ISS 1  
 FILE LAST UPDATED: 28 Dec 2005 (20051228/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

FILE MEDLINE

FILE LAST UPDATED: 28 DEC 2005 (20051228/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details on the 2005 reload, enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_med\\_data\\_changes.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_2006\\_MeSH.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html)

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate